

Property Report	
Based on: MultiApp_SmrtCrd.vsd	Drawings for Patent Application
Creator: David Fisher, CardSmart Technologies, Inc.	Method to Store and Manage Multiple Applications on a Single Smart Card
Number of Pages = 2	
Drawings include: Figure 1 Entity Relationship Figure 2 Hierarchical View of MultiApplication Smart Card Figure 3 File Layout and Security Scheme	
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Figure 1. Entity Relationship

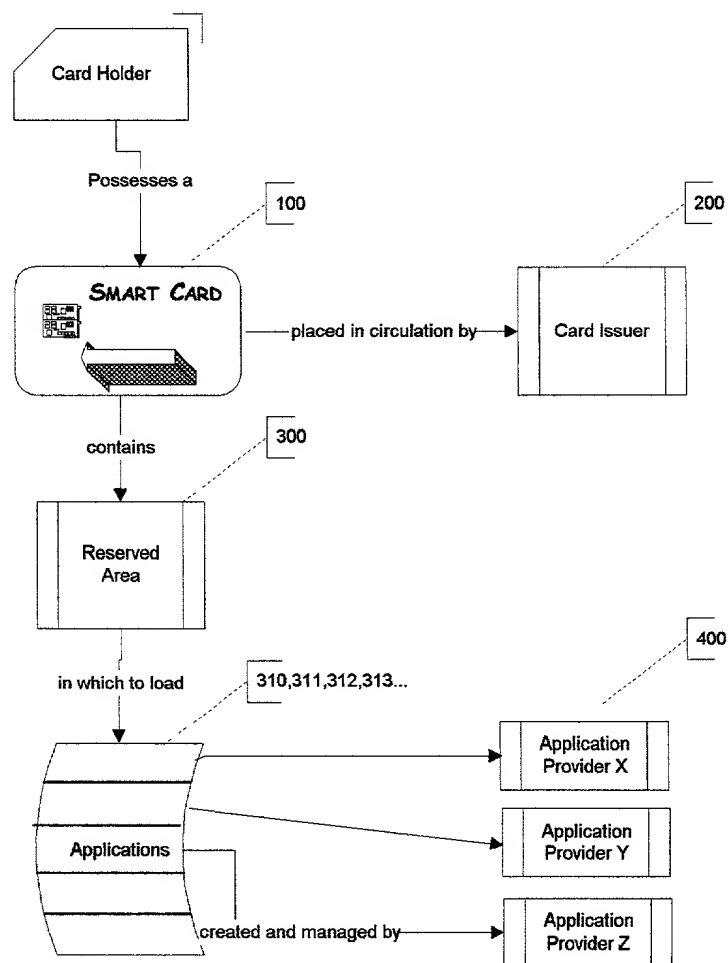


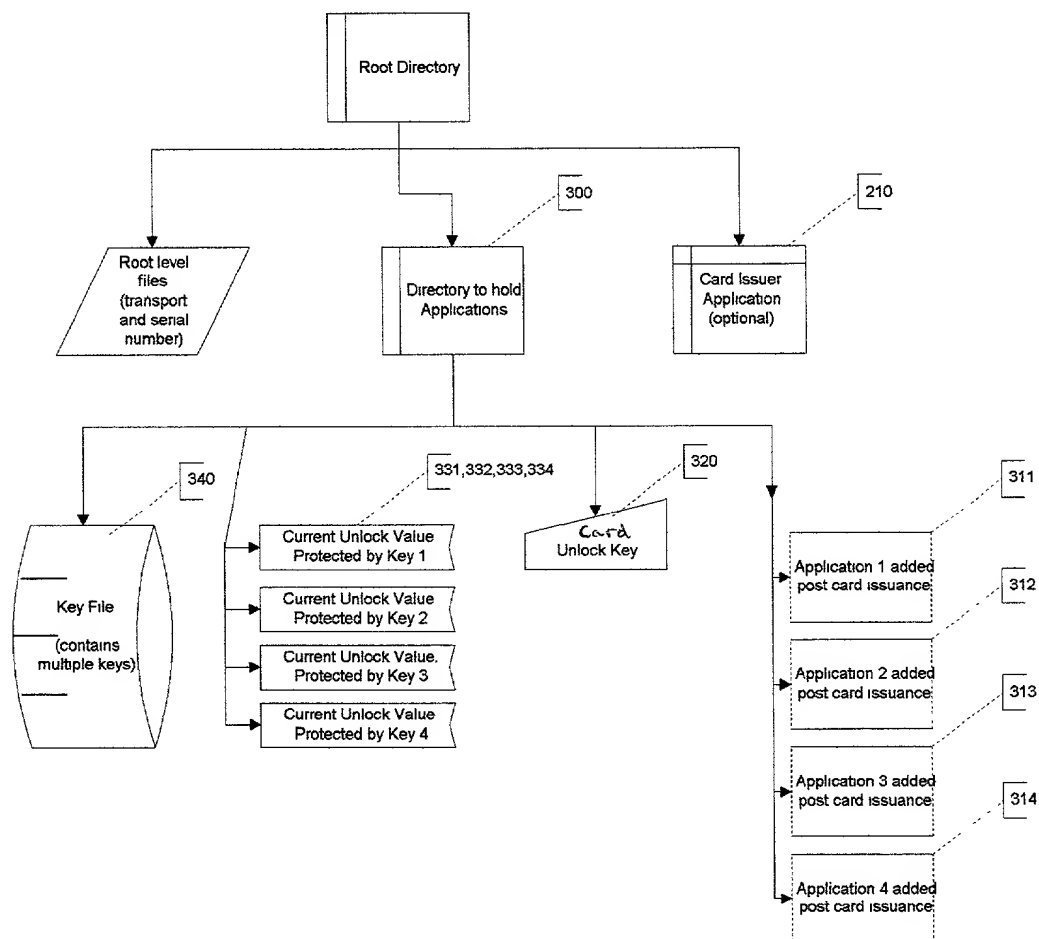
Figure 2. Hierarchical View of MultiApplication Smart Card

Figure 3. Access Conditions and Card Security

File ID	Callout ID	Created by	File Type	File Size	Access conditions		Create/Del	Lock	Description
					Read	Update			
9F 00			Card Manufactu Root Directory				Transp Key		
00 02			Card Manufactu Serial Number	8 bytes	Always	Never			Not essential to this process
00 11			Card Manufactu Transport Key		Never	Transp Key			Not essential to this process
AA 00	300	Issuer	Directory				Key0		
00 00	320	Issuer	PIN	8 bytes	Never	PIN		unlock with Key0	Not used as tradional PIN rather this is the locking key for the directory
00 11	340	Issuer	Key File	8 keys @ 8 bytes each	Never	Never		with 1 false attempt	Contains 8 keys. Values are set in advance by issuer
0A 01	331	Issuer	Data file	8 bytes	Key1	PIN			Stores the current PIN value accessible only by application provider 1
0A 02	332	Issuer	Data file	8 bytes	Key2	PIN			Stores the current PIN value accessible only by application provider 2
0A 03	333	Issuer	Data file	8 bytes	Key3	PIN			Stores the current PIN value accessible only by application provider 3
0A 04	334	Issuer	Data file	8 bytes	Key4	PIN			Stores the current PIN value accessible only by application provider 4
1A 00	311	App Provider 1	Application Directory 1				PIN or Key0		Contents of this directory are at complete discretion of Application Provider
xx xx		App Provider 1 ?		?	?	?	?	?	Defined by Application Provider 1
xx xy		App Provider 1 ?		?	?	?	?	?	Defined by Application Provider 1
xx xz		App Provider 1 ?		?	?	?	?	?	Defined by Application Provider 1
2A 00	312	App Provider 2	Application Directory 2				PIN or Key0		In the same way, the contents of these additional applications will be defined by each individual Application Provider